

## INTERNATIONAL SEARCH REPORT

IB2004/002433

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C07K14/16 C12N15/48 A61K39/21

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, Sequence Search, EMBASE, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LOUIS J M ET AL: "Design and properties of Nccg-gp41, a chimeric gp41 molecule with nanomolar HIV fusion inhibitory activity" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 276, no. 31, 3 August 2001 (2001-08-03), pages 29485-29489, XP002201626 ISSN: 0021-9258	1-8, 18-22
Y	the whole document ----- -/--	9-22



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

17 December 2004

Date of mailing of the international search report

07/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Pilat, D

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ECKERT D M ET AL: "Design of potent inhibitors of HIV-1 entry from the gp41 N-peptide region" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 98, no. 20, 25 September 2001 (2001-09-25), pages 11187-11192, XP002290287 ISSN: 0027-8424	1-8, 18-22
Y	the whole document	9-22
X	ROOT MICHAEL J ET AL: "Protein design of an HIV-1 entry inhibitor" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,, US, vol. 291, no. 5505, 2 February 2001 (2001-02-02), pages 884-888, XP002170634 ISSN: 0036-8075	1-8, 18-22
Y	abstract; figures 1,3	9-22
X	LU MIN ET AL: "Subdomain folding and biological activity of the core structure from human immunodeficiency virus type 1 gp41: Implications for viral membrane fusion" JOURNAL OF VIROLOGY, vol. 73, no. 5, May 1999 (1999-05), pages 4433-4438, XP002311269 ISSN: 0022-538X	1-8, 18-22
Y	the whole document	9-22
X	WO 02/34909 A (ABBOTT LAB) 2 May 2002 (2002-05-02)	1-8, 18-22
Y	abstract; figures 2,4,11; example 2	9-22
Y	WO 99/25377 A (COMBET CHRISTOPHE ; GEOURJON CHRISTOPHE (FR); DELEAGE GILBERT (FR); HI) 27 May 1999 (1999-05-27) the whole document	9-22
Y	SERRES P-F: "Molecular mimicry between the trimeric ectodomain of the transmembrane protein of immunosuppressive lentiviruses (HIV-SIV-FIV) and interleukin 2" COMPTES RENDUS DES SEANCES DE L'ACADEMIE DES SCIENCES. SERIE III: SCIENCES DE LA VIE, ELSEVIER, AMSTERDAM, NL, vol. 323, no. 11, November 2000 (2000-11), pages 1019-1029, XP004330682 ISSN: 0764-4469 abstract; figure 4	9-22
	-/-	

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>SERRES P F: "AIDS: an immune response against the immune system. Role of a precise tridimensional molecular mimicry." JOURNAL OF AUTOIMMUNITY. MAY 2001, vol. 16, no. 3, May 2001 (2001-05), pages 287-291, XP002311270 ISSN: 0896-8411 abstract; table 1</p> <p>-----</p>	9-22

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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			EP 1379646 A2	14-01-2004
			JP 2004528011 T	16-09-2004
			WO 0234909 A2	02-05-2002
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